

From boatanchors@theporch.com Thu Jan 18 02:46:23 1996
From: Sandra L Knepper <slkst29+@pitt.edu>
Subject: "subscription"
Message-ID: <Pine.3.89.9601172131.B14377-0100000@unixs1.cis.pitt.edu>

I try to be a little reserve in expressing my personal feelings but I am prompted this evening to add my two cents to the discussion over subscription fees.

I am most appreciative of the service that this medium provides. My check for \$12 is being sent tomorrow as a mere token of my appreciation to those who provide this service. I cannot imagine what my world would be like without being a part of this network of boatanchor enthusiasts. I find myself spending less time on the ham bands and more time here on boatanchors.

Keep up the good work and thanks for all the enjoyment and knowledge that I have gained here these past several months.

Dave, W3BJZ
Publisher of the Collins Journal

From boatanchors@theporch.com Thu Jan 18 12:40:39 1996
From: James A Doty <jamesd@clark.edu>
Subject: Re: \$12.00 ain't gonna break ANYBODY!!!
Message-ID: <Pine.HPP.3.91.960118101030.23756A-100000@clark.edu>

On Tue, 16 Jan 1996, Thomas A. Adams wrote:

> Hello Michael.
>
> Of that huge, thundering herd, the vast majority not only don't contribute
> cash, but THEY DON'T CONTRIBUTE EXPERTISE TO THE LIST EITHER! We've got a large
> number of "lurkers" out there who take the traffic but NEVER contribute diddly.
> I'd be willing to bet a lot of 'em have never sent anything to the list but a
> SUBSCRIBE command. To my way of thinking, these folks are double dipping; they
> take value from BA but offer NOTHING, either money or knowledge, in return.

I think your assesment (sp?) of lurkers is unjustified. I've finally found something to post a reply to.

Like many hams I have some electronics knowledge, but I'm no expert. When someone posts a message concerning vacuum tube radio equipment I rarely know an answer to it. There's no point in me typing replies to technical questions containg "I don't know." in the body of the message.

I joined ba because as well as owning a newer Kenwood TS-140S, I also own a more or less complete and operational Drake TR-4C and accessories, and a Drake Marker Luxtery (I'm sure that's misspelled.) two meter mobile transciever.

I'm always interested in anything I can learn about the Drake and I'm very fond of my Drake even though I'm currently not using it because of lack of space.

I find this mailing list to be very valuable to me, but posting replies to messages that I don't have the answers to is stupid.

Excuse me for trying to learn more about tube technology equipment by just reading other peoples posts.

Oh, and thanks for lumping us lurkers into a single group of people that you feel is totally useless.

Okey I'll get off my soapbox now. I should probably not take offense at such messages, but I do.

I've given some thought to paying the \$12.00 a year to subscribe, but I haven't decided yet.

I currently access the net from home or work through the system at the college I attend. I graduate at the end of Winter (this) quarter and will no longer have internet access (Except through AOL on their non-toll free 800 number.). Before I pay to subscribe to a mailing list I'll have to come up with the money to subscribe to an internet provider. Most internet providers in our area want at least six months (about \$70) of fees paid in advance. There is one local provider that will charge on a monthly bases but he wants \$20 a month. On my limited income (Remember I'm a student.) I don't think I can afford it. So there's no point in sending \$12.00 to subscribe if in just a couple of months I have no reasonable access to the mailing list.

=====

James A. Doty
KI7EL
Clark College
Vancouver, WA.
U.S.A.

I'm in a phone booth at the corner of Walk and Don't Walk.

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From boatanchors@theporch.com Thu Jan 18 12:40:39 1996
From: jschwart@ix.netcom.com (John Schwartzberg)
Subject: 100 kc XTAL
Message-ID: <199601181756.JAA01249@ix13.ix.netcom.com>

Anyone have a 100 kc crystal hanging around? I'm looking for one to build a frequency marker around.

TIA,

John
N0GII

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From boatanchors@theporch.com Thu Jan 18 12:40:39 1996
From: KC5IJD@aol.com
Subject: Re: 6907?
Message-ID: <960118132431_300204887@mail06.mail.aol.com>

>I have come across a couple of 6907 dual tetrode transmitting tubes. Does
>anyone have any data on these beasts?

Twin tetrode for use up to 600 Mc. Fil 12.6 Vac @ 0.65 A. Max Plate V
600, Max dissipation 20 W.

73

Joseph W Pinner
Lafayette, LA
KC5IJD
EMail: kc5ijjd@aol.com

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KC5IJD

EMail: kc5ijd@aol.com

From boatanchors@theporch.com Thu Jan 18 12:40:39 1996
From: w7ni@teleport.com (Stan Griffiths)
Subject: Re: 6U8 Tubes
Message-ID: <199601180956.BAA09596@desiree.teleport.com>

>You guys convinced me that I don't need to buy a new 6U8 in order to satisfy
>my curiosity about whether it might work significantly better. Thanks for
>saving me a few bucks. ;-)
>
>Regards,
>Bill Sorsby, N5BU

There is a pretty good chance that a new 6U8 WILL work better but for how long? That's how I know how bad 6U8s are. I replace with a new one (or another different used one) and fix the problem. They just keep going bad. That's why the 6EA8 substitution idea is interesting to me.

Stan W7NI@teleport.com

From boatanchors@theporch.com Thu Jan 18 12:40:39 1996
From: Bob Roehrig <broehrig@admin.aurora.edu>
Subject: Re: 6U8 Tubes
Message-ID: <Pine.ULT.3.91.960118082146.14538A-1000000@admin.aurora.edu>

>
> Has anybody got a 6EA8 in their 2-B HF0? Mine will be getting one RSN &
> PDQ, on GP, FWIW. ;-)
>
> 73 de KF4FJH - RF Buchanan (azoth@netcom.com)

In my first 2-B I had trouble getting some xtals to oscillate and ended up with either a 6EA8 or 6GH8 in there and it eorked a lot better. In the 50's I ran into a lot of TV tuners that used a 6U8 and they were always troublesome.

73 de Bob, K9EUI

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From boatanchors@theporch.com Thu Jan 18 12:40:39 1996
From: KA9EGW@aol.com
Subject: Re: Address for dues
Message-ID: <960118085417_120242827@emout04.mail.aol.com>

really. \$12 ain't gonna break anyone, especially for the wealth of info.

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really. \$12 ain't gonna break anyone, especially for the wealth of info.

From boatanchors@theporch.com Thu Jan 18 02:46:23 1996
From: Dean Davidson <ddavidso@metz.une.edu.au>
Subject: Re: Address for Pictures(?) ;^)
Message-ID: <199601172139.IAA27687@metz.une.edu.au>

At 07:56 AM 17/01/96 -0600, Jack wrote:

>Hello Gang-

>

>We can also take VISA MASTERCARD DISCOVER AMEX if you will FAX your
>card number with expiration date to:

>(615) 889-6452

>or to

>(615) 459-0038

>

I take back what I said about the expense for us overseas people.

If we can put it on VISA etc, there is no extra charges and makes
it much easier.

Thanks Jack,

Dean

--

Dean Davidson
Dept Psychology
University of New England
Armidale NSW 2351 Australia

ddavidso@metz.une.edu.au
Phone 61 67 73 2585
Fax 61 67 73 3820
VK2 ZID

From boatanchors@theporch.com Thu Jan 18 12:40:39 1996
From: Engbert Oord <engbert.oord@jet.uk>
Subject: AES address wanted
Message-ID: <9601180932.AA05512@jet.uk>

Hello gang

Wanted address, telephone-/fax- number of Antique Electronics Supply.

Thanks

Engbert

Engbert Oord , G7THB
Email : eo@jet.uk or engbert.oord@jet.uk

From boatanchors@theporch.com Thu Jan 18 12:40:39 1996
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From boatanchors@theporch.com Thu Jan 18 02:46:23 1996
From: Mikhael Brown <mikhael@hpcmmp13.sj.hp.com>
Subject: Another quiet reader
Message-ID: <199601180501.AA171051318@hpcmmp13.sj.hp.com>

I read boatanchors and contribute very little. I am still learning and haven't felt I had too much to add. I have learned a great deal from reading this and sent my \$12, it's worth it. Between my job and family my time for the hollow state is limited but very enjoyable. There is probably a great many reading this in the same situation. If everyone sent something every day, we would all be reading 800+ items a day and that is too much for me.

Just my 2 cents worth.

Mike, N6WIG

mikhael@hpcmmp13.sj.hp.com

From boatanchors@theporch.com Thu Jan 18 12:40:39 1996
From: jschwart@ix.netcom.com (John Schwartzberg)
Subject: ARC-5 Question
Message-ID: <199601181756.JAA01258@ix13.ix.netcom.com>

Hey gang, especially those of you into vintage military equipment.

I inherited an unmodified BC-458A (the 5.x - 7.0 MHz xmtr - did I recall the designation correctly?) in good condition. I'd prefer to have the 457 or the 459, of course, for use on the ham bands. I would hate to modify a good piece of equipment, especially when there are those who might like to have the 458A.

Perhaps someone who is more up on the military gear can answer a few questions. First, are there unobtrusive or easily restorable mods for bringing the 458A up to 40 meters or down to 80 meters? Second, what do you figure the chances are of swapping the 458A for a 457 or 459?

I would really prefer to see the 458A (made by Westinghouse, BTW) find a good home with someone who will appreciate it for just what it is, rather than destroy it. Any thoughts?

Thanks for your consideration.

73,

John
N0GII

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John
NOGII

jschwart@ix.netcom.com

From boatanchors@theporch.com Thu Jan 18 02:46:23 1996
From: RUNYAN@GONZAGA.EDU
Subject: BC 224 = BC 348 ?
Message-ID: <01I04EHYWBSY000MS2@GONZAGA.EDU>

Well, I suppose in most respects. However the BC 348s I've had covered 200-500khz band 1, and 1.5-18mhz bands 2-6. The BC 224 I have now covers only 1.5-18 mhz bands 1-6. A bit more bandspread don't you know.

From boatanchors@theporch.com Thu Jan 18 12:40:39 1996
From: MODSTEPH@ACS.EKU.EDU
Subject: BC BA's Schematics
Message-ID: <01I05DYW1VK2001ACZ@ACS.EKU.EDU>

I have a Ryder volume of most popular radios from 1926-1938. It has a bunch of schematics from radios of that era: if you happen to be working on something from that time and need a schematic let me know - I might have it in the book and can send you a copy.

No Western Royal though (for the one who was looking for that one).

73, Al N5AIT
modsteph@acs.eku.edu

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From boatanchors@theporch.com Thu Jan 18 02:46:23 1996
From: FRANCIS4@AppleLink.Apple.COM (Francis, Dexter)
Subject: Belay that coax question...!
Message-ID: <821909661.8773484@AppleLink.Apple.COM>

Well, curiosity may have killed the cat, but it hasn't killed me...yet.

I decided to disassemble the afore mentioned coaxial connector and lo and behold it's not what I described before. It turns out the center connector is actually an ordinary banana plug pin. Someone had pressed the center of a brass banana jack onto the pin and I foolishly assumed that the thread on the jack was a threaded center connector of highly unusual design.

So, now the question becomes; what sort of coaxial connector has a banana plug as the center pin and a snap ring recess around the body.

-df (slightly embarrassed but wiser...)

From boatanchors@theporch.com Thu Jan 18 02:46:23 1996
From: Henry van Cleef <vancleef@bga.com>
Subject: Re: Belay that coax question...!
Message-ID: <199601180257.UAA11457@zoom.bga.com>

As Francis, Dexter said

>

>

> So, now the question becomes; what sort of coaxial connector has a banana plug
> as the center pin and a snap ring recess around the body.

>

Dexter, it's hard for me to visualize what you are talking about, if it is not an Amphenol UHF or N connector.

However, since I have a stock 1945 S-36A, I can make a few comments on it. The original antenna connector panel on my set is a thick piece of linen-phenolic, same material as used on the speaker connection panel. It has three binding posts (two for the antenna coil and a ground post, which you can jump one of the antenna coils terminals to). Inside the set there are two bus wires that run to the RF deck, and then to the bandswitch. On the RF deck are three unused connections. These go to the three antenna coils directly, so, theoretically, you could hook an antenna permanently to each, although there is no provision for bringing them outside the set.

I haven't measured the characteristic impedance of the antenna circuit, and suspect that it might be "exciting." Nobody paid attention to mundane details like characteristic impedance when the set was designed. However, I would suspect that 300 ohm balanced connections would work much better than 50-93 ohm coax. The antenna trimmer will "match" the antenna, but it helps if you've got a constant impedance all the way from the antenna coil to the active element of the antenna. I probably should use my RX bridge on it and see what it reads. My set is happiest with a 300 ohm balanced input.

If your connector won't mate with one of the current Amphenol connectors, you're probably stuck having to replace it with something standard. While you say "SO-239," note that this is the flange bulkhead mount UHF female, and that there are a variety of other mountings available in the UHF series. However, I'd strongly suggest a higher impedance balanced input for the set. If you can't get a signal peak with the antenna trimmer somewhere near midrange, you're too far off in the antenna circuit.

Mine is not a particularly stellar performer on commercial FM. It matches an old Magnavox console (1949) on a semi-DX station that I listen to, and does a little better than a couple of el-cheapo rice rockets that use the power line as an antenna. When it comes to oomph, those little acorns are cute, but they just don't have any. The set is a real period piece, with a front end that doesn't even vaguely attempt to deal with maintaining characteristic impedance through its circuits, just a miniaturized version of a 10 meter receiver.

--

Hank van Cleef vancleef@bga.com vancleef@tmn.com

From boatanchors@theporch.com Thu Jan 18 02:46:23 1996
From: Charles Kadesch <103202.3412@compuserve.com>
Subject: Re: Contact Cleaners
Message-ID: <960117204528_103202.3412_IHF100-1@CompuServe.COM>

Floyd asked if anyone had experience with Cramolin.
I have been using R-2 for many years with radio, audio
and automotive equipment. It has worked well for me.

73 Chas W8KUX

From boatanchors@theporch.com Thu Jan 18 12:40:39 1996
From: Walt Novinger <waltn@hooked.net>
Subject: Re: Cramolin
Message-ID: <199601181313.FAA01003@mom.hooked.net>

At 12:23 PM 1/17/96 -0600, S. Miller wrote:
>For contact cleaners I suggest Cramolin or the replacement: De-Oxit.
>I have used it for several years and I find that it does a wonderful job.
I, too, have used De-Oxit ever since I read about it in ER, and have found
it to be particularly good for silver and berillium (sp?) contacts as are
found on band switches and the like.

I want to pass along a caution, however. I am used to using a Radio Shack
contact cleaner that is non-flammable, and often spray a switch with the
power applied to the radio. DO NOT DO THIS WITH DE-OXIT...you will get a
most amazing fireball if the B+ is active! Fortunately the one time I had
this happen, the only thing that was damaged was my pride as I jumped back
and my XYL thought I'd started WWII!

BTW, my check's in the mail for my most valuable subscripotion, too.

Walt

=====
Walt Novinger
Real Radios Keep You Warm at Night!
Collector of vacuum tube communications receivers and test equipment
Pacifica, CA waltn@hooked.net wnovinger@shl.com

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Walt Novinger

Real Radios Keep You Warm at Night!

Collector of vacuum tube communications receivers and test equipment
Pacifica, CA waltn@hooked.net wnovinger@shl.com

From boatanchors@theporch.com Thu Jan 18 02:46:23 1996
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>
Subject: Re: Equipment names & non-sense
Message-ID: <199601172130.PAA12215@dlep1.itg.ti.com>

At 01:26 PM 1/17/96 -0600, Lynn Stolz wrote:

>

>Anybody remember the infamous EICO seven-drifty-three?

Yeah, I picked up an Eico 753 a few months ago. I kept seeing it for sale just about every weekend at swapmeets and decided I better give it a home before the guy threw it away. (Someone's gotta take in the strays, ya know.) Real nice looking rig. Even came with an uninstalled VFO solid-state conversion kit. Haven't gotten around to firing it up yet, though. I'll keep BoatAnchors posted on progress, particularly drift.

>Had a buddy once tell me that his Swan 350 would never make a good

>boatanchor...'cause it drifted too much.

Just fixed a drift problem on 15 meters with my Swan 500. Now it drifts about 2 kHz during the first 30 minutes warmup on 15, but less than 1 kHz on the other bands. Considering the frequencies that the Swan VFO operates at that's not too shabby, especially from a cold start. Of course, it's not as stable as my old SB-102...

On the subject of drift, someone told me their Lafayette HA-350 had crazy drift, so I measured drift on the HA-350 I've got. Monitoring WWV, after a ten or fifteen minute warmup, that receiver stayed within a couple of hundred hertz over the next two hours.

Regards,
Bill Sorsby, N5BU

bill.sorsby@dlep1.itg.ti.com
Views expressed herein are my own.

From boatanchors@theporch.com Thu Jan 18 12:40:39 1996
From: Andy Howard WA4KCY <102452.362@compuserve.com>
Subject: Frequently Used Addresses
Message-ID: <960118155309_102452.362_DHT47-2@CompuServe.COM>

Hi Gang,

I see lots of posts on the BA list where someone is looking for a particular address to order parts, subscribe to ER, join AMI, donate to upkeep of the list, etc. Since I was going to answer a post asking for Amateur Electronic Supply thought that I would include some others as well since I keep them in the file to paste onto messages.

My two cents worth on the \$12.00 to keep the list going. This is the best \$12.00 that you can spend on your hobby. I get the BA list every day with a wealth of information and it will only cost me a fraction of the cost of any other service I receive. Support the BA list . . . as the old saying goes "you won't miss the water until the well runs dry". Jack and Phil are to be commended and thanked for their unselfish devotion to keeping the list "up and running".

Commonly used addresses for BA folks:

Home page address for Andy Howard, WA4KCY
<http://ourworld.compuserve.com/homepages/sweetbay>

Address for contributions to the BA list:
Phillip Porch
4328 Estes Road
Nashville, TN 37215-3106

Antique Electronic Supply
6221 South Maple Ave.
Tempe, Arizona 85283
Telephone 602-820-5411
Fax 800-706-6789

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Canada (air only) US \$39
Fireign Countries (air only) US \$70

Electric Radio Parts Directory:
Send \$2.00 and a large SASE with 54 cents
postage to the above address.

AM INTERNATIONAL
Box 1500
Merrimack, NH 03054
Send \$2.00 with your name, address and call (if you
have one). Receive a nice certificate with number
to exchange during operating events.

I hope that some of these addresses prove helpful to recipients of the BA list.
I keep them in a separate file so I can access them as needed.

Best regards,

Andy, WA4KCY
AMI #9
SX-88 #323

From boatanchors@theporch.com Thu Jan 18 12:40:39 1996
From: Andy Howard WA4KCY <102452.362@compuserve.com>
Subject: Frequently Used Addresses
Message-ID: <960118155309_102452.362_DHT47-2@CompuServe.COM>

Hi Gang,

I see lots of posts on the BA list where someone is looking for a particular address to order parts, subscribe to ER, join AMI, donate to upkeep of the list, etc. Since I was going to answer a post asking for Amateur Electronic Supply thought that I would include some others as well since I keep them in the file to paste onto messages.

My two cents worth on the \$12.00 to keep the list going. This is the best \$12.00 that you can spend on your hobby. I get the BA list every day with a wealth of information and it will only cost me a fraction of the cost of any other service I receive. Support the BA list as the old saying goes "you won't miss the water until the well runs dry". Jack and Phil are to be commended and thanked for their unselfish devotion to keeping the list "up and running".

Commonly used addresses for BA folks:

Home page address for Andy Howard, WA4KCY
<http://ourworld.compuserve.com/homepages/sweetbay>

Address for contributions to the BA list:
Phillip Porch
4328 Estes Road
Nashville, TN 37215-3106

Antique Electronic Supply
6221 South Maple Ave.
Tempe, Arizona 85283
Telephone 602-820-5411
Fax 800-706-6789

Electric Radio Magazine
P. O. Box 57
Hesperus, CO 81326
Telephone 770-247-4935 - Phone or Fax
Subscribe by Phone or Mail

\$28 per year 2nd class

\$38 per year 1st class
Canada (air only) US \$39
Fireign Countries (air only) US \$70

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Best regards,

Andy, WA4KCY
AMI #9
SX-88 #323

From boatanchors@theporch.com Thu Jan 18 02:46:23 1996
Subject: FS: Johnson Viking VFO Model 122

\$125 - Contact Michael, WA0EPW/6 at <mjscanlan@loop.com> or via
landline at (310) 397-1822

13428 Maxella Ave., #347
Marina del Rey, CA 90292
Pgr (310) 790-7140
mjscanlan@loop.com
A.R.S. WA0EPW/6
1967 Land-Rover IIA 109" Stationwagon

----- Forwarded message ends here -----

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>

Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Thu Jan 18 02:46:23 1996
Subject: FS: National NC-46 Receiver

\$100 FOB Los Angeles, California

Contact Michael, WA0EPW/6 at <mjscanlan@loop.com> or by landline at
(310) 397-1822.

13428 Maxella Ave., #347
Marina del Rey, CA 90292
Pgr (310) 790-7140
mjscanlan@loop.com
A.R.S. WA0EPW/6
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<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Thu Jan 18 02:46:23 1996
From: m.cartwright@cc.utexas.edu (Mark A. Cartwright)
Subject: FS: WJ and CEI stuff -- update
Message-ID: <199601172025.0AA29240@sirius.cc.utexas.edu>

Hello,

The CEI G175K is gone the 4080A is still around...

> FS: WJ CT-4080A tuner -- 21.4 && 160 IF out -- mint condition
> S# 13 -- minus top cover.
> With TH-408C (4-8ghz), and TH-812C (8-12ghz) tuner modules.
> \$200 + shipping, email or call (512)-467-6028
>

Thanks, and 73

markc

From boatanchors@theporch.com Thu Jan 18 02:46:23 1996
Subject: FS: Zenith R-520A/URR

I have a Zenith TransOceanic, "Radio Receiver R-520A/URR" for sale. This receiver is one of the rarest of the rare T0's. Less than 3000 were contracted by the U.S. Army. Serial number is 1477. This receiver is complete, original condition, with all accessories-- 520 TM, 520A TM supplement, fuses, AC adaptor (120/220v).

Highest offer over \$750 received by 12AM EST January 21, 1996 will be awarded the receiver. Purchasor also receives a set of spare tubes. The receiver is necessarily sold "as is" and not "on approval".

Questions about the receiver will be accepted evenings at 614.369.9777

Please send bids to lstolz@freenet.columbus.oh.us
flames to /dev/null

--

Lynn Stolz N8AJ --lstolz@freenet.columbus.oh.us

----- Forwarded message ends here -----

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Thu Jan 18 02:46:23 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Fwd: FS: Johnson Viking VFO Model 122
Message-ID: <18270.ddillman@igc.apc.org>

NOTE The message below is a cross-post from rec.radio.swap. All replies must go to the person making the post, not me.

----- Forwarded message begins here -----

From: Michael J. Scanlan <mjscanlan@loop.com >
Newsgroups: usenet.rec.radio.swap
From: boatanchors@theporch.com Thu Jan 18 02:46:23 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Fwd: FS: National NC-46 Receiver
Message-ID: <18187.ddillman@igc.apc.org>

NOTE The message below is a cross-post from rec.radio.swap. All replies must go to the person making the post, not me.

----- Forwarded message begins here -----

From: Michael J. Scanlan <mjscanlan@loop.com >
Newsgroups: usenet.rec.radio.swap
From: boatanchors@theporch.com Thu Jan 18 02:46:23 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Fwd: FS: Zenith R-520A/URR
Message-ID: <86897.ddillman@igc.apc.org>

NOTE The message below is a cross-post from rec.radio.swap. Replies must go to the person making the post, not me.

----- Forwarded message begins here -----

From: Lynn Stolz <lstolz@freenet.columbus.oh.us >
Newsgroups: usenet.rec.antiques.radio+phono, usenet.rec.radio.swap
From: boatanchors@theporch.com Thu Jan 18 02:46:23 1996
From: Charles Mann <mannnc@idirect.com>
Subject: Hammarlund HQ-170
Message-ID: <199601180012.TAA07491@lucid.idirect.com>

Hello there, I am a new subscriber. Not too familiar with repair of communications radios, but pretty handy with a soldering iron.

I have an HQ-170 bought at a local ham-fest. The owner said it worked perfectly!

Gee, and I thought all hams were honest. I think he saw this SWLer coming!

Anyway, this radio works great on 80 meters, but as I switch to ever higher frequencies the sensitivity seems to rapidly drop off. I have no experience with these radios, could someone advise me if this is normal?

I tried tube subbing, but it doesn't seem to change.

Also searching for an HQ-180AC and knob for power/tone control for a hallicrafters SX-110.

Charles
mann@idirect.com

From boatanchors@theporch.com Thu Jan 18 12:40:39 1996
From: w7ni@teleport.com (Stan Griffiths)
Subject: Re: Hammarlund HQ-170
Message-ID: <199601180956.BAA09804@desiree.teleport.com>

>I have an HQ-170 bought at a local ham-fest. The owner said it worked perfectly!
>Anyway, this radio works great on 80 meters, but as I switch to ever higher
>frequencies the sensitivity seems to rapidly drop off. I have no experience
>with these radios, could someone advise me if this is normal?
>
>I tried tube subbing, but it doesn't seem to change.
>
> Charles
>mann@idirect.com

Hi Charles,

Here's my 2 cents worth. As you go higher and higher in frequency, the normal background level of noise drops. Static crashes and most other noises have less energy at higher frequencies so what you may be experiencing is not less receiver sensitivity, but less signal strength. Also, there is the MUF (Maximum Usable Frequency) to consider. The MUF varies with the time of day and the condition of the ionosphere, not to mention the sun spot cycle. When you tune a receiver above the MUF, you will generally only hear stations that are close (within a few miles) of you. If none are on the air, you hear nothing.

If you were to use the "S" meter readings you see to judge receiver sensitivity, you might see it reading S9 on 80 meters from nothing but background noise and not even reading S1 on 10 meters at the same time. However, if you tune around on 10, you might also find a signal that you can actually copy that is not even moving the S meter at all when 10 is "open" (which means that the MUF is above 28 MHz). During the part of the sun spot cycle we are in right now, the MUF is not often above 20 MHz.

I have two suggestions: 1. See if you can get another receiver that is known to work good and set it beside your HQ 170, use the same antenna, and tune in the same signal. How do they compare? 2. Find someone who has the necessary test equipment to actually test your HQ 170 for sensitivity. This basically consists of setting a signal generator to a known low level near the published sensitivity specification for your receiver, feeding the signal into the antenna terminals of your receiver, and then seeing if you

can hear it.

With the information you have given us, it is hard to know for sure if your receiver has a sensitivity problem or not.

Good luck, Charles, and welcome to BA.

Stan W7NI@teleport.com

From boatanchors@theporch.com Thu Jan 18 12:40:39 1996

From: Duncan Cadd <dcadd@luc.ac.be>

Subject: Re: Hammarlund HQ-170

Message-ID: <9601181327.AA25693@alpha.luc.ac.be>

Greetings, Charles, from a cold and dull Diepenbeek in N.E. Belgium!

> 2. Find someone who has the necessary test equipment to actually test your
> HQ 170 for sensitivity.

A very simple - and SEVERE - test of sensitivity, is to connect a resistor of the appropriate value (i.e. 50 ohms for a 50 ohm input rig etc) across the aerial connector. You should be able to hear more noise with the resistor in place than without. Thermal noise in the resistor plays the role of signal genny. If you match the resistor value to the receiver input impedance you get maximum energy transfer from this weak source. Don't know if this will be too demanding for your HQ170, but it's quick and simple to try.

Just my 0.2 microvolts worth.

73,

Duncan ON9CHU / G0UTY G-QRP 8117 dcadd@luc.ac.be

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Just my 0.2 microvolts worth.
73,

Duncan ON9CHU / G0UTY G-QRP 8117 dcadd@luc.ac.be

From boatanchors@theporch.com Thu Jan 18 02:46:23 1996
From: Charles Mann <mannnc@idirect.com>
Subject: Hammarlund HQ-170 manual
Message-ID: <199601180118.UAA17170@lucid.idirect.com>

Has anyone got a manual for an HQ-170 (not the A version). Will cover all costs for original or photocopies.

Charles
mannnc@idirect.com

From boatanchors@theporch.com Thu Jan 18 02:46:23 1996
From: Sandy Blaize <70401.134@compuserve.com>
Subject: Heinrich H. Hertz, Silicon, and Early Radio
Message-ID: <960117230130_70401.134_IHD92-3@CompuServe.COM>

I had a very good "engineer" friend of mine tell me back in the 60's, that had the transistor been invented FIRST, the vacuum tube would have created a similar "stir" the transistor created! There are some applications where tubes are just superior!
73,
Sandy W5TVW

From boatanchors@theporch.com Thu Jan 18 02:46:23 1996
From: John Kolb <jlkolb@cts.com>
Subject: Re: Heinrich H. Hertz, Silicon, and Early Radio
Message-ID: <Pine.SCO.3.91.960117174518.25309A-100000@sd.cts.com>

On Wed, 17 Jan 1996, Sandy Blaize wrote:

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> the transistor
> been invented FIRST, the vacuum tube would have created a similar "stir" the
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> Sandy W5TVW

Well, gee, Sandy, my understanding is that the transistor WAS invented first, jut not developed. Haven't seen any documentation, but I understand back in the crystal set days, a few hardy souls were playing around with two whiskers and a bias supply on their glenia (sp) detectors.

Maybe in 1960, a vaccum tube would be wonderful for voltage breakdown and power handling, compared to the transistors of the time, but a 6U8 sure doesn't compare with a modern IC.

john Kolb KK6IL

From boatanchors@theporch.com Thu Jan 18 02:46:23 1996
From: Sandy Blaize <70401.134@compuserve.com>
Subject: Re: Heinrich H. Hertz, Silicon, and Early Radio
Message-ID: <960118035723_70401.134_IHD44-2@CompuServe.COM>

This is true. But remember this statement was made back in the early transistor days when one could not develop ANY power to speak of with them. Everyone thought that 1.5-2 Mhz would be the upper limit of the junction transistor! Vacuum tubes are still king for developing large amounts of power easily. Maybe we'll see some power FETs that will run a KW or two, be cheap and not prone to destroy themselves very easily. I agree that tubes won't do what the "IC" will do, but look at the active devices on each chip!!!! Component for component (discrete devices) you can still do better in many instances with tubes.

These "Rice Box" radios DO work good, but they aren't any fun at all to troubleshoot! One slip of the test probe and a "roach" dies! [Expensive roaches too!] For "tinkering" give me a boat anchor any day of the week.

73,
Sandy W5TVW

From boatanchors@theporch.com Thu Jan 18 12:40:39 1996
From: Jerry L Pittenger <pittengj@battelle.org>
Subject: HQ 180AX
Message-ID: <9600188219.AA821983054@ccmailgw.im.battelle.org>

I have a restored HQ-180Ax (has the fixed crystal switch with is semi-rare). This receiver looks as good as they get. No scratches and works great. Asking \$350. Sounds high, I know, but you need to see the receiver before you pass judgement. It is collector quality inside and out.

de Jerry. K8RA 614-764-5872 home
614-424-5189 (work... leave voice message)

By the way... I am sending my \$12 and maybe a little more. Come on guys, if you use this service, it is worth support. I spend \$12 on a good book which gives me a lot less pleasure than talking with all of you guys on the internet.

From boatanchors@theporch.com Thu Jan 18 12:40:39 1996
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From boatanchors@theporch.com Thu Jan 18 12:40:39 1996
From: jml@spider.lloyd.com (Jim Lockwood)
Subject: Inspirational radio names
Message-ID: <m0tCYaL-000TtLC@spider.lloyd.com>

I had a rotten time making contacts when I was a newly licensed Novice back in '62. I used a DX-60 to emit RF and a GR-91 to listen to signals of stations calling me.

My early log has a long line of "Station Called" entries of "CQ" and a "Called By" column filled with "X" entries. In fact, my Novice log contains page after frustrating page of entries that were mostly this way.

(More recently licensed BA members may need a bit of explanation here. It used to be that all transmissions, whether they resulted in two way communication or not, had to be entered in the station log. An unanswered CQ would be recorded in just the manner I described above. I had lots of them.)

Although I knew that the GR-91 I was using wasn't a top of the line receiver, I convinced myself that the reason no one answered me was that I simply didn't have a good enough transmitter. That DX-60 just wasn't powerful enough.

Imagine, then, as I was getting ready to upgrade to the General class license, my reaction to opening the Heath catalog and seeing an ad for a transmitter called a "Marauder".

Think about that name a for a moment.

M A R A U D E R

With a name like that, this just **had** to be a transmitter that would sear the ether with its signal and be heard by everyone everywhere. How could it do otherwise? It was bigger and heavier than my DX-60. It even had two 6146s instead of the single 6146 of my DX-60. (Hey, I was 13. What did I know?)

I couldn't afford a Marauder, but that didn't keep me from reading every word of every ad Heath ever placed for one. Whoever chose that name achieved a true "marketing breakthrough", because its specs mattered little to me....I wanted to be able to work the world and I was convinced that a Marauder would do it.

Somewhere in this time period a ham wiser than me suggested I junk the GR-91 and buy a Real Receiver. I did and ended up with an SX-100 (see John

Brewer's boatscape radio room). Wonder of wonders, suddenly there were *lots* of stations answering my CQs and the character of my log entries changed for the better.

Even so, I still wanted that M A R A U D E R

73,

Jim - km6nk

From boatanchors@theporch.com Thu Jan 18 12:40:39 1996
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Message-ID: <m0tcyaL-000TtLC@spider.lloyd.com>

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Even so, I still wanted that M A R A U D E R

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Jim - km6nk

From boatanchors@theporch.com Thu Jan 18 02:46:23 1996
From: Lrware@aol.com
Subject: Re: Lurker responds to \$12 deal
Message-ID: <960117215512_45188626@mail06.mail.aol.com>

In a message to boatanchors, gcouger@master.ceat.okstate.edu
(Gordon Couger) wrote:

>I am one of your lurkers. I do contribute very infrequently.

<snip for space>

>I can understand the reluctance to turn this into a news group.

> It exposes us to the unwashed AOL masses.

<snip>

As a cash contributing member, (I paid to help Jack & Phil long before everyone was asked to), and as the unpaid helper who puts together the BA.forsale archives, and as a user of AOL for my network access, I have a couple of comments to make:

1) I resent being called a member of "the unwashed masses."

2) This guy is a ham?

3) I'm glad he's an infrequent contributor, because I don't think I care for his attitude. Speaking only for myself, I don't think

I'm going to miss him.

-Larry Ware
lrware@aol.com

From boatanchors@theporch.com Thu Jan 18 02:46:23 1996
From: nfourlq@sellington.win.net (Steve Ellington)
Subject: Lurker selling NC-109
Message-ID: <33@sellington.win.net>

Lurk, Lurk, Lurk, errrr, ahemmmm, excuse me.

I still have this excellent NC-109 for sale. I'm gettin real tard of lukin at it. I wuz asking \$150 but I give up. \$99.95 takes it or else it's going to the next ham fest. Condition of front panel is flawless. Inside is beautiful.

Steve N4LQ nfourlq@selling.win.net

From boatanchors@theporch.com Thu Jan 18 02:46:23 1996
From: buska@aaic.advantest.com (d.buska@advantest.com)
Subject: MicroVacuum Attachments - Great for cleaning old BA's
Message-ID: <96011719500933@aaic.advantest.com>

Hey BA People,

Any good BA owner has at one time or other cleaned up a dirty old radio. The insides can contain a great deal of dust and/or cobwebs. You have probably done what I have and used the vacuum cleaner to get most of the dust off the chassis. A few weeks ago I even spent some time creating an adapter for my shopvac to allow using a small 1/2 hose to vacuum with. It worked with very marginal success!

Lets face it, the large shopvac hose and brushes are just to big to get into those corners between tubes and small electronic assemblies.

To the rescue..... A few weeks ago my wife provided the answer. She showed me in the latest issue of a very important electronic refurbishing catalog, Lillian Vernon (hi), that a complete "micro vacuum" attachment is available for connection to most large vacuum cleaners, including a shopvac. I ordered one and it arrived yesterday. I tried it on an old CE MM2 modulation scope tonite and it works like a champ.

What you get:

3 ft 1/2" hose with adapter to connect to Standard Vacuum Cleaner
Micro Vacuum Round Brush (1/2" diameter)
Micro Vacuum Oval Brush (1/2" X 1")
Two small solid extensions (one is curved at the end)
Micro solid Crevice tool

Where and how much:

Lillian Vernon 1-800-285-5555
Item# 731AAU
Description: Vacuum Attachment Micro
Price: \$9.98 + S/H

For ten bucks this is one item every BA refurbisher should not be without. My MM2 was cleaned up in a couple of minutes and I didn't have to remove a tube to get around in the tight spaces. This should also be of use in preventative maintenance of equipment. Why wait for the dust to build up!

Maybe I should have bought their entire inventory and sold them myself for twenty bucks each..... nah!!

73

Don N900 d.buska@advantest.com

From boatanchors@theporch.com Thu Jan 18 02:46:23 1996
From: azoth@netcom.com (Az0th)
Subject: Re: More Contact Cleaners
Message-ID: <199601180354.WAA10994@netcom6.netcom.com>

Hi Hank,

> Caig Laboratories replaced Cramolin in their product line with Deoxit
> several years ago. Deoxit D-5 in a spray can works wonders on pots and
> switches, and seems to last a long time. It's something like \$15 a
> can, but one can treats an awful lot of switches and pots.

I'll also sing the praises of Deoxit (Oh-De-Oh...) One of my R-4C's recently developed a peculiar hiss-hisssss-POP sort of motorboating after it warmed up, and a quick tweak and tube-swap failed to have much impact. I Deoxit'ed the tube sockets (and while I was at it the bandswitch, trimmers and sundry switch contacts) and peaked everything up right, and voila! no more motorboats. Wonderful stuff. Doesn't take much, either, so a can, while expensive, ought to last a good long time.

73 de KF4FJH - RF Buchanan (azoth@netcom.com)

From boatanchors@theporch.com Thu Jan 18 02:46:23 1996
From: "C. J. Hawley" <hawley@aries.scs.uiuc.edu>
Subject: Re: More Contact Cleaners
Message-ID: <30FDC67D.2D31@aries.scs.uiuc.edu>

kf8at@detroit.ampr.org wrote:

> cleaner that seems to do the job. It is called Cramolin and it is made by
> Caig Laboratories, Inc. This is a high quality contact cleaner that has a
> very small amount of de-oxidizer / lubricant. I believe that there is the R-2
> and R-5 formulations. If I remember correctly, those stand for 2% and 5%
> inclusion of the de-oxidizer. I have used this contact cleaner for about 4 or
> 5 years now and have not noticed any side effects (dust build-up) associated
> with other less expensive (cheaper) cleaners. Wonder if anyone else has had
> any experience with this stuff?

I had a Simpson 260 with leaky batteries, cleaned it up somewhat and sprayed it with R5. I had serious leakage on some of the ranges which were high impedance. So I took the board out and washed it with soap and very hot water. Now it's OK. I like Cramolin and generally don't have any trouble but I get nervous around high impedance circuits and wafer board that seems to soak it up.

Chuck, KE9UW

From boatanchors@theporch.com Thu Jan 18 02:46:23 1996
From: jschwart@ix.netcom.com (John Schwartzberg)
Subject: Re: N7REN
Message-ID: <199601172027.MAA29709@ix5.ix.netcom.com>

>>Please enlighten me as to why an overpriced Icom W-2A was listed on BA.

> Maybe the poster thought "BA" stood for "Brazen
> Advertisements." ;-)

Come on, people. The guy made a mistake and apologized to the group for it. Isn't that enough, especially at \$12.00 per year?

jschwart@ix.netcom.com

From boatanchors@theporch.com Thu Jan 18 02:46:23 1996
From: don merz <71333.144@compuserve.com>

Subject: NC-100X F/Trade or Sale

Message-ID: <960118034907_71333.144_DHB52-1@CompuServe.COM>

NC-100X For Trade or Sale

1937 National NC-100X receiver. Millen's first sliding coil design. General coverage .54-30mc with tuning eye and PW dial (HRO-style). Beautiful art-deco red and black front panel. Black wrinkle cabinet. Looks very good. No modifications. Works badly when it works at all. No restoration has been done. Normally uses an electro-dynamic speaker which is not included. Manual photocopy is included. Notice that this is not the NC-100A (which has a more conventional dial instead of the PW mechanism). And this is not the later NC-101 (which was ham-bands only). The "X" indicates that this one has the optional crystal filter installed.

Prefer trade for interesting old ham or military gear or sell for \$300. contact Don, N3RHT: 412-234-8819 or 71333.144@compuserve.com

--

From boatanchors@theporch.com Thu Jan 18 12:40:39 1996

From: dma@IslandNet.com (Jan Skirrow)

Subject: Panadapter Info Wanted

Message-ID: <m0tcxrs-0005VSC@island.amtsgi.bc.ca>

I just got a Panadapter Model PCA-2T-200, manufactured by the Panoramic Radio Corp, NYC. It is a small unit, nice condition, with a de rigueur black wrinkle finish and a 2" crt and green graticule. It looks to be late 30s or early 40s. It works, operates at 455kHz, but needs a good going over.

Does anyone have any info on this canoe anchor? Dare I hope there might be a circuit diagram out there in BA land?

Jan Skirrow, VE7DJX

dma@islandnet.com

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Jan Skirrow, VE7DJX
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From boatanchors@theporch.com Thu Jan 18 12:40:39 1996
From: lkayser@WorldLink.ca (Larry Kayser)
Subject: Prior Art to the Transistor
Message-ID: <9601181455.AA07074@beacon.WorldLink.ca>

>From John Kolb kk6il we have

>Well, gee, Sandy, my understanding is that the transistor WAS invented
>first, jut not developed. Haven't seen any documentation, but I
>understand back in the crystal set days, a few hardy souls were
>playing around with two whiskers and a bias supply on their
>glenia (sp) detectors.

Well John your right! Like so many inventions the transistor was subject to "prior art" and very public "prior art" at that!

I recently put some corporate time working on some patent litigation and became very interested in the matter of Prior Art. After working the business issues for a while, I took a look at the Transistor Patents in the late 1940's and a little light went on. I went back and dug out my notes from my earliest days in ham radio, kept in an ARRL logbook before I had a license to transmit.

The old magazine "Radio" published by Hugo Gernsback (and I may have the spelling of his name wrong) published a "novel" crystal radio circuit which exhibited "amplification" in the 1932-1934 period. This was done as you suggest by using two cats whisker probes on the lead mounted galena (PbS) detector. I was able to duplicate this action in the early 1950's as I learned basic radio at the knee of a long suffering neighbour (destroying several ancient crystal radios in the process as I remember it). The claim of "amplification" is not what one could get even then from a ck722 (the first transistor that I every saw that you could actually buy at a store) but it was probably in the order of 3 db or a bit more. Most certainly it seems that no one followed up on this early work, my reading of the Bell Labs work shows they came at the transistor head on as a goal they were seeking. US Patent law of that time was however "first to invent" and as such a good argument could be made on the Public Domain of an amplifying

semi conductor some 15 years earlier!

I hope this provides you with some additional background that you will find interesting.

Larry
va3lk / wa3zia

From boatanchors@theporch.com Thu Jan 18 12:40:39 1996
From: dt@scotborders.co.uk (David Topham - Arts & Science)
Subject: Re: Prior Art to the Transistor
Message-ID: <9601181554.AA08907@scotborders.co.uk>

>>From John Kolb kk6il we have
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>>Well, gee, Sandy, my understanding is that the transistor WAS invented
>>first, jut not developed. Haven't seen any documentation...

The first granted patent application seems to have been made by Lilienfeld in 1925 (Canada) 1926 (US) - "Method and apparatus for controlling electric currents". Granted in 1933 his US patent 1,900,018 clearly describes the field effect transistor, constructing it using thin film deposition techniques and using dimensions that became normal when the metal oxide FET was indeed manufactured in quantity well over 30 years later. The patent (and subsequent ones) describes the advantages of the device over "cumbersome vacuum tubes".

Veers way off topic... ...only the period being relevant... ...proposes a 12 dollar fine for each use of the "T" word...

73 David Topham GM3WKB dt@artscience.scotborders.co.uk

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From boatanchors@theporch.com Thu Jan 18 12:40:39 1996
From: Richard Biddle <rbiddle@madvax.mo.ti.com>
Subject: R-390A meters "kludge"
Message-ID: <30FABEEB.36C3@madvax.mo.ti.com>

I am planning to "kludge" a couple of meters for an R-390A using readily available \$8.00 meters from Fair Radio. (They are out of the meters which "almost fit" as-is.) I plan to work the the impedance and current issues using series/shunt resistors, etc.. I know an R-390 uses a 1 mA and a 100 uA meter, but I've not seen an original meter to know what the actual scale looks like. I'm going to run up a new scale on some CAD software and refinish the meter scale. Would someone please provide me with a description of the meter scale?

For those who are interested, I have had good luck with meter relabeling by using CAD software and a plotter. The easy way is to paint the scale white (actually the reverse side of the scale so as not to mess up the original) and tape it on a carrier sheet. Then the sheet and the meter face are run through the plotter and put the scale directly on the face. You can get quite detailed in this way. I haven't done any white on black at this point, however, I am looking at a local decal shop for doing this from the computer printed art work.

If I get good results I'll see about putting a DXF/PCX file where folks can get to it.

Thanks and 73,
Richard KB5WLH
rbiddle@madvax.mo.ti.com

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rbiddle@madvax.mo.ti.com

From boatanchors@theporch.com Thu Jan 18 12:40:39 1996
From: rbiddle@MadVax.mo.ti.com (Richard Biddle)
Subject: R-390A meters / Fair Radio
Message-ID: <9601181507.AA05782@MadVax.mo.ti.com>

Our mailer is messing up so here's a second shot at a message I tried to send Monday plus a little extra tidbit:

I am planning to "kludge" a couple of meters for an R-390A using readily available \$8.00 meters from Fair Radio. (They are out of the meters which "almost fit" as-is.) I plan to work the the impedance and current issues using series/shunt resistors, etc.. I know an R-390 uses a 1 mA and a 100 uA meter, but I've not seen an original meter to know what the actual scale looks like. I'm going to run up a new scale on some CAD software and refinish the meter scale. Would someone please provide me with a description of the meter scale?

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If I get good results I'll see about putting a DXF/PCX file where folks can get to it.

Also, BTW, an R-390A arrived from Fair Radio last Friday. I order the "used-repairable" version. It looked like UPS did a drop test on the box. The front panel had a badly bent corner and the rear corners were bent. The rear was not too hard to fix, but it looked like a chore to fix the front panel. The insides of the radio were in good shape and after replacing a shorted cap in the limiter circuit, a thorough switch clean up, and a good grease job, it works pretty well (no dead bands, etc.). Since it works I didn't want to return it, especially with the \$50 UPS charges. I called Fair Radio to order some misc parts and commented on the front panel. Mark told me he picked the radio out himself and it wasn't bent. He then told me he was going to send me another front panel !FREE!. What a deal. Mark is good to talk to since he pretty much can figure out what R-390 parts you need from a description.

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Subject: R-390A meters / Fair Radio
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rbiddle@msg.ti.com

From boatanchors@theporch.com Thu Jan 18 02:46:23 1996
From: berg stephen erik <z931086@corn.cso.niu.edu>
Subject: Re: Rangers and other names
Message-ID: <Pine.3.89.9601171438.A18081-01000000@corn.cso.niu.edu>

The Lincoln six meter transceiver was a step above the Sixer, and I talked to plenty of them on the air in the 1960's. I believe that Lafayette and perhaps Olson had very similar units for sale. I never used one, but the general feeling was that they were adequate, and about as cheap as one could find for a radio. They also had severe TVI, which seems odd for a 5th overtone transmitter design. I was having a great time with my Clegg 99er then.

73,

Steve WA9JML
z931086@corn.cso.niu.edu

From boatanchors@theporch.com Thu Jan 18 02:46:23 1996
From: pbock@melpar.esys.com (Paul H. Bock)
Subject: Re: Rangers and other names
Message-ID: <9601172251.AA17876@syseng1.se.melpar.esys.com>

>Yes, we have omitted quite a few key names.

>We can start with Vibroplex:
>Lightning bug
>Blue Racer
>Champion
>Zephyr

How about Vibroplex's:

"Original"
"Junior" (originally the Martin "Junior")
"Presentation"
"Brass Racer"

and

Bunnell's "Gold Bug"
Martin's "Flash Key"
McElroy's "Mac-Key"

And what about headsets?

Trimm's "Dependable" and "Featherweight"
C.F. Cannon's "Cannonball"

etc.

73 DE K4MSG

From boatanchors@theporch.com Thu Jan 18 02:46:23 1996
From: aa4rm%amos.UUCP@mathcs.emory.edu (Marty)
Subject: Re: Rangers and other names
Message-ID: <9601180607.AA06318@amos.YP.mystnite>

that's signal shafter

(how's that for a terse megabyte jackatak?)

From boatanchors@theporch.com Thu Jan 18 12:40:39 1996
From: "Ray L. Mote" <rmote@rain.org>
Subject: Re: Stabilant source
Message-ID: <Pine.SUN.3.91.960118025203.5584E-1000000@coyote.rain.org>

I got mine thru the local two-way radio repair shop. Stabilant 22 is made by D.W. Electrochemicals Ltd., 97 Newkirk Road North, Richmond Hill, Ontario L4C 3G4, Canada. Since it contains isopropyl alcohol (flammable), you're better off ordering thru a local business rather than hassling with Customs & the world by yourself. Good luck!
73.....Ray Mote, W6RIC <rmote@rain.org>

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73.....Ray Mote, W6RIC <rmote@rain.org>

From boatanchors@theporch.com Thu Jan 18 02:46:23 1996
From: jml@spider.lloyd.com (Jim Lockwood)
Subject: Subscription address
Message-ID: <m0tchQJ-000Tt3C@spider.lloyd.com>

I've seen several requests for the address to which dues should be sent.

The meager amounts I've sent in were sent directly to Phillip at this address:

Phillip P. Porch, M.D.
4328 Estes Road
Nashville, TN 37215-3106

73,

Jim - km6nk

From boatanchors@theporch.com Thu Jan 18 02:46:23 1996
From: Sandy Blaize <70401.134@compuserve.com>
Subject: SW-3 Clones?
Message-ID: <960117230133_70401.134_IHD92-4@CompuServe.COM>

One thing that works pretty good is a Stancor A53C type interstage transformer, primary and secondary connected to be 'aiding'. This gives around 250 H or so which has proven enough in my experiments. They are available from Antique Electronic Supply for a fairly reasonable price.

A pentode detector can be very cantankerous! Limit screen voltage to about 25-30 volts! I have found triodes are much easier to get going, and much less fussy. Sensitivity suffers very slightly, but not excessively. Also watch plate voltage, don't exceed 45 volts of B+. You will have to play with the size of the "tickler" winding and the grid leak resistance for smoothest regeneration control. A regenerative detector, for all its simplicity, can be a very aggravating thing to get working properly! If you use a "heater" type tube with an AC heater supply, DON'T ground one leg of the heater supply! Use a 100 or 50 ohm wirewound pot across the heater line with the slider going to ground. Adjust for "minimum" hum! BEST bet is to run the heaters oin DC power if possible. With 5 ampere TO-3 cased adjustable regulators, this is entirely possible now with a minimum of fuss. Use a 12 v.a.c. supply to get 6.3 v.d.c. regulated. (Or 1.4 volts or 2.0 volts or whatever is required!) I am using a 1.5 amp adjustable regulator to get 2 volts for my "battery" tube SW-3. Also use regular zener diodes to obtain 68 volts and 135 volts as well (drain only about 3-4 ma.) The "battery" SW-3 uses a pair of '32's and a '30.

73,

Sandy W5TVW

~~~~~  
Boat Anchors collected, restored, traded and used!

73,

Sandy W5TVW

From boatanchors@theporch.com Thu Jan 18 12:40:39 1996  
From: "Dick Dillman" <ddillman@igc.apc.org>  
Subject: The Chief Rigger  
Message-ID: <18863.ddillman@igc.apc.org>

In the days of radio when men were men, days not too long past, forests of telephone poles held spiderwebs of antennas against the sky, usually at the very edge of great oceans. Such a place was the RCA transmitting station in Bolinas, CA. When I first started visiting there in the early 70s, trans-Pacific telephone circuits were still carried on HF radio. Rhombic and fishbone antennas covered acres of land, each aimed at a particular spot on the Pacific rim. My favorites were the ones held aloft by stacked telephone poles; two 90 footers placed one upon the other and held by a network of guy wires.

These laceworks of antennas, feed lines and guy wires were larger and more complex than the biggest full-rigged sailing ship. And, like those ships, it took a special breed of man to keep them all aloft in the face of Pacific storms, salt spray and the ravages of time. When we think of these installations, we usually think of the radio operators. I often think of the Chief Rigger, within whose domain the maintenance of these antenna fields fell.

I met the Chief Rigger at the station in those days. His name was Jim Bournes. He appeared to be in his early 60s, barrel chested with big, working man's hands and spectacles that somehow seemed too small for his large, open face. It was Jim who kept the poles straight, the guys tight and the antennas aloft, no matter the weather or the time of night. And he did it as a matter of course, as a part of the job he had agreed to do. He was the type of man who is a hero but does not know it.

I've kept that picture of Jim Bournes in my mind since then, as an example of the best of a breed of men now almost vanished. But I wondered at the time if anyone else recognized him for who he was.

A few years after meeting Jim I was in Bolinas again visiting an amateur and fellow Radio Officer who lived near the transmitting station. As we chatted about radio and radiomen I noticed in the garage adjacent to his shack a large leather climbing belt of the kind Jim Bournes used. But this one was clean and new. I noticed too that this climbing belt had a brass plaque riveted to it. I drew closer to read it. The inscription was simple. It gave me chills to read it

then, as it still does now:

"To Jim Bournes - A Rigger's Rigger, A Man's Man"

Clearly, the belt had been presented to Jim upon his retirement by peers who recognized him, as I did, to be man worthy of honor. I didn't have the heart to ask my friend how it came to pass that he had Jim's belt. But I do know that one of the best epitaphs a man could hope for was engraved on that brass plaque.

Dick Dillman  
WPE2VT N6VS ex-WA2BJK  
<ddillman@igc.apc.org>  
Collector of Heavy Metal:  
Harleys, Willys and Radios Over 100lbs.

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I've kept that picture of Jim Bournes in my mind since then, as an example of the best of a breed of men now almost vanished. But I wondered at the time if anyone else recognized him for who he was.

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"To Jim Bournes - A Rigger's Rigger, A Man's Man"

Clearly, the belt had been presented to Jim upon his retirement by peers who recognized him, as I did, to be man worthy of honor. I didn't have the heart to ask my friend how it came to pass that he had Jim's belt. But I do know that one of the best epitaphs a man could hope for was engraved on that brass plaque.

Dick Dillman  
WPE2VT N6VS ex-WA2BJK  
<ddillman@igc.apc.org>  
Collector of Heavy Metal:  
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Thu Jan 18 02:46:23 1996  
From: john <johnmb@nando.net>  
Subject: T0 Keyer question: Whazza speaker Z?  
Message-ID: <9601172240.AA05457@merlin.nando.net>

I just received a T0 Keyer (thanks Dick!) and need to ask if one of you that has documentation for this unit would let me know the impedance of the internal speaker? This unit is sans' such a speaker, so I'd appreciate the info...

Thanks  
/john

-----  
John Brewer johnmb@nando.net



WB50AU/4 AMI #24

From boatanchors@theporch.com Thu Jan 18 02:46:23 1996  
From: buska@aaic.advantest.com (d.buska@advantest.com)  
Subject: TRA4 Rotor Manual  
Message-ID: <96011716373852@aaic.advantest.com>

Hey it's not really a BA, but the vintage is close.

I have a TRA4 Rotor that doesn't have a control box. Does anyone in BA land have a manual for this Rotor that contains schematics for the controller. I will try to build my own, since the rotor is too nice to throw out.

I have a great number of other controllers I can get parts from and possibly use.

Thanks es 73

Don N900 d.buska@advantest.com

From boatanchors@theporch.com Thu Jan 18 12:40:39 1996  
From: pbock@melpar.esys.com (Paul H. Bock)  
Subject: Transistor development - and tubes, too!  
Message-ID: <9601181557.AA06573@syseng1.se.melpar.esys.com>

More food for thought on transistor development: Bardeen and Brittain were joined by Shockley in their efforts because, according to something I read or heard years ago, the latter had been working independently trying to develop a silicon emulation of a vacuum tube - in essence, an FET. His efforts were unsuccessful largely because the processes for purifying and doping silicon were not sufficiently well-developed to allow an FET to be created, so Shockley joined the other two in point-contact development where purification and doping were less critical.

Since it was FET development which really added impetus to the development of ICs by TI, it has been speculated that if Shockley had been able to solve the problems in the '40s the first transistors might have been FETs, not bipolars, and the IC might have showed up 10 years sooner than it did.

I'd be interested to hear from anyone out there who can verify/amplify/correct this information.

And to keep things related to a BA vein: When a Russian pilot flew his Mig-25 Foxbat to Taiwan (or was it Japan) years ago, U.S. authorities tore it down to see "what made it tick" and discovered that the TACAN, for example, which compared favorably in performance with our own TACAN, was essentially a vacuum-tube device using miniature tubes which were very highly developed, far beyond anything that had been done with tubes in the West. I've been told that one of the reasons the Soviets lagged behind the West in solid-state development, and continued to advance the state of the art in tube technology, was that they had the same problem Shockley did: silicon purification and doping processes weren't sufficiently developed.

73,

Paul, K4MSG

(|\_|) Paul H. Bock, Jr. K4MSG      Internet: pbock@melpar.esys.com  
| |) Principal Systems Engineer   Telephone: (703) 560-5000 x2062

"You can have my bug when you can pry my cold, dead fingers from around it....." - anonymous radiotelegraph operator

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From boatanchors@theporch.com Thu Jan 18 02:46:23 1996  
From: mburke@beast.sme.siemens.com (Michael Burke)  
Subject: Tubes on sale at Antique Electronic Supply  
Message-ID: <9601172202.AA15290@beast.sme.siemens.com>

Hey, boatanchor and glow bottle gang,

Just ordered and received some nice tubes from AES. They have:

6Y6GT Beam Power Amp, GE JAN for \$1.50 each, good for a little power osc or MOPA type rig, a little heavy on the filament current, but, hey, wha'd'ya want for a buack and a half?

5670W Dual Triode, GE JAN, a nice little pair of hi-freq triodes, a ruggedized version of the 2C51 (or 2C61? - doin' this from memory), one-of-a-kind pin-out but great for breadboarding

buck a piece for the 5670W's

5749 Pentode, a ruggedized 6BA6W for a \$1.50 a piece

6EA8 Triode-Pentode for \$3.00 - ditto

They got lots of other numbers on sale. Give 'em a call (602-820-5411).

[illegible]

% No electrons were harmed or mistreated in the production  
% and distribution of this message.

In the course of surfing the web, I noticed the following page:

Seems to be an on-line swap shop. Pulling up the "other ham" section I noticed several anchors de la boats.

73,  
Richard

From boatanchors@theporch.com Thu Jan 18 12:40:39 1996  
From: Richard Biddle <rbiddle@madvax.mo.ti.com>  
Subject: Western Electronic Surplus Web Site  
Message-ID: <30FC299E.B0E@madvax.mo.ti.com>

In the course of surfing the web, I noticed the following page:

<http://www.westes.com/>

Seems to be an on-line swap shop. Pulling up the "other ham" section  
I noticed several anchors de la boats.

FYI - YMMV.

73,  
Richard

From boatanchors@theporch.com Thu Jan 18 12:40:39 1996  
From: jcreid@CCGATE.HAC.COM  
Subject: Workshops  
Message-ID: <9600188219.AA821986154@CCGATE.HAC.COM>

Hi Gang,

My radio workshop is in dire need of organization and general clean up. I have a BA type workbench(very heavy) with a masonite top and an upper shelf that easily supports all the HP tube-type test equipment(606A sig gen, 202A func gen, 400D AC VTVM, 412A DC VTVM), a Tek 2465 scope, a Mac SE, and numerous low voltage power supplies. Off to the right is a cart that has more HP stuff: 5245L freq counter, 8660C freq synth, and a 141T spec analyzer. On the workbench bottom shelf are various pieces of Heathkit gear, Bird wattmeters, substitution boxes, etc. On the opposite wall are file cabinets filled with Sams, Motorola, and various other service info. Next to those is a Kennedy two piece rollaround with all the electronic servicing tools and accessories. There are a couple metal shelves with various items and metal cabinet that usually gets stuff just tossed in to get it out of the way. On an adjacent wall are two cheapie particle board shelving units. One filled with boxes of commonly used tubes and the other with more service manuals, Ryders, etc.

My real problem is organization. I have a limited amount of space and yet I have a tendency to tackle more than one project at time. That means setting something on the floor or on a file cabinet until the other project gets done. I really would like to get a place for everything(especially components, nuts/bolts, etc.) and get everything in its place. Obviously space is a major concern. The workshop is shared with two cars and associated car parts. I guess what this all boils down to is how does everyone set up their workshop? What do you store your resistors in and how do you store them? By value or by multiplier? Obviously it would be nice to have every piece of equipment available at a moment's notice, but what do you put on the back shelf and what

do you keep on the bench?

There has been some mention of getting photos of everyone's shack in the BA database. I think I'm more interested in what your workshop looks like rather than your operating station. How 'bout it? If you think this discussion is not necessarily related enough to continue on the BA list(but I think it is), we can chat about it privately. I'd really like to hear about Stan's workshop. With what 300+ Tek scopes and probably a kajillion repair parts, it must be interesting.

-Jim N6SVS  
jcreid@ccgate.hac.com

From boatanchors@theporch.com Thu Jan 18 12:40:39 1996  
From: "James C. Owen, III" <owen@apollo.eeel.nist.gov>  
Subject: RE: Workshops  
Message-ID: <46531.owen@apollo.eeel.nist.gov>

In message Thu, 18 Jan 1996 11:31:15 -0600 (CST),  
jcreid@CCGATE.HAC.COM writes:

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A good storage system is to purchase used, from a used furniture dealer, the metal cabinets that were used for IBM punch cards. These file type cabinets have strong ball roller slides and will take the plastic shelf type boxes that are used for general storage. The only mod. that will be needed is to cut some type of bottom plate since the drawers have a central dip. I have cut strips of copper pc board but you could use 1/8 or 1/4 in plywood. These cabinets are CHEAP when you can find them. They are so useless these days in business that many are scrapped instead of being sold to the dealers. The plastic boxes can be bought new for \$.50 to \$2.00 ea. 73 Jim K4CGY

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From boatanchors@theporch.com Thu Jan 18 02:46:23 1996  
From: "William C. Robbins" <billrobb@serv01.net-link.net>  
Subject: WTB: Hallicrafters Manuals  
Message-ID: <199601180143.UAA00986@serv01.net-link.net>

I just picked up a Hallicrafters HT-40 and SX-140 without manuals. If anyone could help by selling me manuals or copies, I would be eternally thankful. Thanks in advance.

Bill  
William C. Robbins, WA8CDU \*\*\*Heathkit Collector\*\*\*  
billrobb@serv01.net-link.net

From boatanchors@theporch.com Thu Jan 18 12:40:39 1996  
From: cooper@gmpvt.com (Tom Cooper)  
Subject: WTB: receiver that uses 7360 tubes  
Message-ID: <199601181525.KAA11992@web.gmpvt.com>

A while ago I acquired 5 new RCA 7360 beam deflection mixer tubes. However, I never have found a receiver to use them in. No SS-1R, no Mackay 2010, no nothing. It's so sad.

Anyway, I am expanding the search. Does anyone have such an instrument that they would like to sell?

BTW, what are 7360's selling for now?

Thanks & 73,

Tom WA1GUV  
cooper@gmpvt.com



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